

DATE:

June 2, 2003

FAX TO:

LUN-YI LAO

Examiner

FAX #: (703) 872-9314

Commissioner of Patents and Trademarks
Crystal Park II, 2121 Crystal Drive
Arlington, VA 22202

FAX FROM:

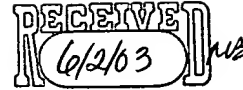
Arthur H. SARKISSIAN

Application/Control Number 09/835,884

Art Unit 2673

FORTY-NINE PAGES INCLUDING THIS PAGE

CONTENTS: AMENDED CLAIMS 20-88.



Official

Arthur H. Sarkissian
P.O. Box 763
New York, New York 10268

June 2, 2003

VIA FAX VIA FAX VIA FAX

Lun-yi Lao
Examiner

Commissioner of Patents and Trad^emarks
Crystal Park II, 2121 Crystal Drive
Arlington, VA 22202

Re: Application/Control No. 09/835,884
Art Unit 2673

Dear Ms. Lao:

I am hereby faxing the amended claims (20-88) that are part of my response to the Final office action.

I will be forwarding the entire response today by courier with payment for the second month's extension.

Regarding the language "non-rotational" which I have elected to use in the claims, I would also like to ask if you would allow "positionally rotatable, non-activationally rotatable" in its place. My washer-shaped, etc. key as originally claimed is "rotational" only to change its position but not rotational in the sense of Nagai's switch, which is rotated in order to create output. If you don't think it will overcome Nagai(5,404,152), etc. then I would leave it as it is and keep the term "non-rotational".

I thank you very much and hope to speak to you soon regarding the above.

Yours very truly,


Arthur H. Sarkissian

In the Claims:

Kindly enter the following amendments as shown:

20. (Amended) A key-surround data input module keyboard inputting device for inputting data ~~including controls to a computer or other equipment~~ comprising of:

a middle key having an inputting means for inputting data ~~including controls to a the~~ computer or other equipment,; and

a key-surround key ~~which surrounding s to an extent said middle key and which has~~ having inputting means for inputting data ~~including controls to the a computer or other~~ equipment, and;

~~wherein a support means for supporting said middle key and said key-surround key such that one nests within said key-surround key; the other~~

wherein said key-surround key comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

Arthur H. SARKISSIAN
Appl. No. 09/835,884

wherein said key-surround key is pivotable in a plurality of pivotable positions operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

21. (Amended) The key-surround module inputting device according to claim 20 wherein said key-surround key is a floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs,~~

22. (Amended) The key-surround module inputting device according to claim 20 wherein said key-surround key when pivoted in at least two of said plurality of pivotable positions actuates at least two of said ~~is a floating plural direction pivotable key having a plurality of actuating contact points constructs which enabling output of said data value to the computer,~~ ~~e inputting of a plurality of conventional Qwerty keyboard key values.~~

23. (Amended) The key-surround module inputting device according to claim 20 further comprising wherein said key-surround key is a key-arrangement key-surround key having a plurality of actuating contact points ~~constructs which enabling output of said data value to the computer,~~ ~~e inputting of a plurality of conventional Qwerty keyboard key values.~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

24. (Amended) A key-surround data input module keyboard inputting device for inputting data including controls to a computer or other equipment comprising of:

a middle key having an inputting means for inputting data including controls to a the computer or other equipment; ; and

a key-surround key ~~which surrounding s to an extent~~ said middle key and ~~which has~~ having inputting means for inputting data including controls to the a computer or other equipment; and ;

wherein said key-surround key comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

wherein said key-surround key is pivotable in a plurality of pivotable positions operative to acutate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

a support means for supporting said middle key and said key-surround key such that one nests within the other; having an extension, where said support means has a base with tracks which allow movement of said middle key and said key-surround key in a plurality of direction, and, has sliding washers which allow rotation of said middle key and said key-surround key in a plurality of directions at least one of individually and in unison.

a base means having a track wherein said extension is movably held.

Arthur H. SARKISSIAN
Appl. No. 09/835,884

25. (Amended) The key-surround module inputting device according to claim 24 wherein said key-surround key is a floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs.~~

26. (Amended) The key-surround module inputting device according to claim 24 wherein said key-surround key is a key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

27. The key-surround module inputting device according to claim 24 wherein said middle key is a cursor navigating device.

28. (Amended) The key-surround module inputting device according to claim 27 wherein said key-surround key is a floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs.~~

29. (Amended) The key-surround module inputting device according to claim 27 wherein said key-surround key is a key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

30. (Amended) A key-surround data input module keyboard inputting device for inputting data

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~including controls to a computer or other equipment comprising of:~~

a middle key having an inputting means for inputting data ~~including controls to a the~~
~~computer or other equipment; ; and~~

a first key-surround key ~~which surrounding s to an extent said middle key and which has~~
having inputting means for inputting data ~~including controls to the a computer or other~~
~~equipment; ; and~~

a second key-surround key ~~which surrounding s to an extent said middle key and said first~~
key-surround key and which has having inputting means for inputting data ~~including controls to~~
~~the a computer or other equipment; ; and~~

a third key-surround key ~~which surrounding s to an extent said middle key, said first key-~~
surround key and said second key-surround key and which has having inputting means for
inputting data ~~including controls to the a computer or other equipment; and ;~~

wherein said first key-surround key, said second key-surround key and said third key
surround key each comprises a non-rotatable, substantially washer-shaped, substantially circular
data entry key;

wherein said first key-surround key, said second key-surround key and said third key-
surround key are pivotable in a plurality of pivotable positions operative to acutate at least one of
a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value
to the computer.

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~a support means for supporting said middle key, said first key surround key, said second key surround key and said third key surround key such that one nests within the other.~~

31. (Amended) The key-surround module inputting device according to claim 30 wherein said key-surround keys are floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs.~~

32. (Amended) The key-surround module inputting device according to claim 30 wherein said key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

33. (Amended) The key-surround module inputting device according to claim 30 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contant points. ~~constructs.~~

34. (Amended) A key-surround data input module keyboard inputting device for inputting data ~~including controls to a computer or other equipment comprising of:~~

a middle key having an inputting means for inputting data ~~including controls to a the~~
~~computer or other equipment, ; and~~

a first key-surround key ~~which surrounding s to an extent~~ said middle key ~~and which has~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

having inputting means for inputting data including controls to the a computer or other equipment; ; and

a second key-surround key which surrounding s-to an extent said middle key and said first key-surround key and which has having inputting means for inputting data including controls to the a computer or other equipment; ; and

a third key-surround key which surrounding s-to an extent said middle key, said first key-surround key and said second key-surround key -and which has having inputting means for inputting data including controls to the a computer or other equipment, and ;

wherein said first key surround key, said second key surround key and said third key surround key each comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

wherein said first key-surround key, said second key-surround key and said third key-surround key are pivotable in a plurality of pivotable positions operative to acutate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer;

a support means for supporting said middle key and said key-surround key such that one nests within the other, having an extension; where said support means has a base with tracks which allow movement of said middle key and said key surround key in a plurality of direction; and, has sliding washers which allow rotation of said middle key and said key surround key in a

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~plurality of directions at least one of individually and in unison;~~

a base means having a track wherein said extension is movably held.

35. (Amended) The key-surround module inputting device according to claim 34 wherein said key-surround keys are floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs.~~

36. (Amended) The key-surround module inputting device according to claim 34 wherein said key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

37. (Amended) The key-surround module inputting device according to claim 34 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points. ~~constructs.~~

38. (Amended) A key-surround data input module keyboard inputting device for inputting data ~~including controls to a computer or other equipment~~ comprising of:

a plurality of middle keys having an inputting means for inputting data ~~including controls to a the computer or other equipment;~~ ; and

a first key-surround key ~~which surrounding s to an extent said middle key and which has~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

having inputting means for inputting data including controls to the a computer or other equipment; and

a second key-surround key which surrounding s-to-an extent said middle key and said first key and which has having inputting means for inputting data including controls to the a computer or other equipment; and ;

a third key-surround key which surrounding s-to-an extent said middle key, said first key-surround key and said second key-surround key and which has having inputting means for inputting data including controls to the a computer or other equipment; and ;

wherein said first key surround key, said second key surround key and said third key surround key each comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

whercin said first key surround key, said second key surround key and said third key surround key are pivotable in a plurality of pivotable positions operative to acutate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

a support means for supporting said middle key, said first key surround key, said second key surround key and said third key surround key such that one nests within the other.

39. (Amended) The key-surround module inputting device according to claim 38 wherein said

Arthur H. SARKISSIAN
Appl. No. 09/835,884

key-surround keys are floating plural direction pivotable key having a plurality of actuating
contact points. ~~constructs.~~

40. (Amended) The key-surround module inputting device according to claim 38 wherein said
key-surround keys are key-arrangement key-surround key having a plurality of actuating contact
points. ~~constructs.~~

41. (Amended) The key-surround module inputting device according to claim 38 wherein said
key-surround keys are key-arrangement key surround and floating plural direction pivotable keys
having a plurality of actuating contact points. ~~constructs.~~

42. (Amended) A key-surround data input module keyboard inputting device for inputting data
~~including controls to a computer or other equipment comprising of:~~

a plurality of middle keys having an inputting means for inputting data ~~including controls~~
to a the computer or other equipment; ; and

a first key-surround key ~~which surrounding s to an extent~~ said plurality of middle keys
~~and which has having~~ inputting means for inputting data ~~including controls to the a computer or~~
other equipment, and ;

a second key-surround key ~~which surrounding s to an extent~~ said plurality of middle keys
and said first key-surround key and which has having inputting means for inputting data

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~including controls to the a computer or other equipment, and ;~~

~~a third key-surround key which surrounding s to an extent said plurality of middle keys,
said first key-surround key and said second key-surround key and which has having inputting
means for inputting data including controls to the a computer or other equipment, and ;~~

wherein said first key-surround key, said second key-surround key and said third key-surround key each comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

wherein said first key-surround key, said second key-surround key and said third key-surround key are pivotable in a plurality of pivotable positions operative to acutate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

~~a support means for supporting said plurality of middle keys, said first key-surround key, said second key-surround key, and said third key-surround key such that one nests within the other, having an extension, where said support means has a base with tracks which allow movement of said middle key and said key surround key in a plurality of direction, and, has sliding washers which allow rotation of said middle key and said key surround key in a plurality of directions at least one of individually and in unison,~~

a base means having a track wherein said extension is movably held,

Arthur H. SARKISSIAN
Appl. No. 09/835,884

43. (Amended) The key-surround module inputting device according to claim 42 wherein said key-surround keys are floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs.~~

44. (Amended) The key-surround module inputting device according to claim 42 wherein said key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

45. (Amended) The key-surround module inputting device according to claim 42 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points. ~~constructs.~~

46. (Amended) A key-surround data input module keyboard inputting device for inputting data ~~including controls to a computer or other equipment comprising of:~~

a plurality of rest-position middle keys having an inputting means for inputting data ~~including controls to a the computer or other equipment, ; and~~

a plurality of surround keys ~~which surrounding s to an extent~~ said plurality of middle keys ~~and which has having~~ inputting means for inputting data ~~including controls to the a computer or other equipment, and ; where said plurality of key surround keys surrounds said plurality of middle keys such that all key values of said plurality of rest position middle keys and all key~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~values of said plurality of key surround keys inputted by the same inputting finger are in proximity to one another, and, where said plurality of key surround keys has inputting means for inputting data including controls to a computer or other equipment,; and~~

~~a plurality of key modules each having one a single key-value,; and, having inputting means with a plurality of actuating constructs for inputting data including controls to a computer or other equipment, and;~~

~~a nesting module having a middle key and a plurality of key-surround keys, where said middle key is a cursor navigating device and where said middle key and said key surround keys have inputting means for inputting data including controls to a computer or equipment and, where said nesting module has a support means for supporting said middle key and said plurality of key surround keys such that one nests within the other, and;~~

wherein said plurality of rest-position middle keys, said plurality of key-surround keys, said plurality of key-modules and said nesting module have Qwerty keyboard key values;

wherein said plurality of rest-position middle keys nests within said plurality key-surround keys;

wherein said plurality of key-surround keys, comprises non-rotatable, substantially washer-shaped, substantially circular data entry keys;

wherein said plurality of key-surround keys are pivotable in a plurality of pivotable positions operative to acutate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value

Arthur H. SARKISSIAN
Appl. No. 09/835,884

to the computer.

~~A support means for supporting said plurality of middle keys and said plurality of middle keys and said plurality of key surround keys in nesting configuration, and, a support means for supporting said key modules and said nesting module in proximity to said plurality of middle keys and to said plurality of key surround keys on the surface of the key surround module inputting device.~~

47. (Amended) The key-surround module inputting device according to claim 46 wherein said key-surround keys are floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs.~~

48. (Amended) The key-surround module inputting device according to claim 46 wherein said key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

49. (Amended) The key-surround module inputting device according to claim 46 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points. ~~constructs.~~

50. (Amended) A key-surround data input module keyboard inputting device for inputting data

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~including controls to a computer or other equipment comprising of:~~

a plurality of rest-position middle keys having an inputting means for inputting data
~~including controls to a the computer or other equipment, ; and~~

a plurality of key-surround keys ~~which surrounding s to an extent~~ said plurality of middle
keys and ~~which has~~ having inputting means for inputting data ~~including controls to the a~~
computer or other equipment, ~~and ;~~ where said plurality of key-surround keys surrounds said
plurality of middle keys such that all key-values of said plurality of rest-position middle keys and
all key-values of said plurality of key-surround keys inputted by the same inputting finger are in
proximity to one another, ~~and, where said plurality of key-surround keys has inputting means for~~
~~inputting data including controls to a computer or other equipment, ; and~~

a plurality of key modules each having ~~one a single~~ key-value, ~~and, having inputting~~
~~means with a plurality of actuating constructs for inputting data including controls to a computer~~
~~or other equipment, and;~~

a nesting module having a middle key and a plurality of key-surround keys, where said
middle key is a cursor navigating device ~~and where said middle key and said key-surround keys~~
~~have inputting means for inputting data including controls to a computer or equipment and,~~
~~where said nesting module has a support means for supporting said middle key and said plurality~~
~~of key-surround keys such that one nests within the other, and;~~

wherein said plurality of rest-position middle keys, said plurality of key-surround keys,
said plurality of key modules and said nesting module Qwerty keyboard key-values;

Arthur H. SARKISSIAN
Appl. No. 09/835,884

wherein said plurality of rest-position middle keys nests within said key-surround keys;
wherein said plurality of key-surround keys, comprises non-rotatable, substantially
washer-shaped, substantially circular data entry keys;
wherein said plurality of key-surround keys are pivotable in a plurality of pivotable
positions operative to actuate at least one of a plurality of actuating contact points; and
wherein actuation of one of said plurality of actuating contact points outputs a data value
to the computer;

~~a support means for supporting said plurality of middle keys, and said plurality of key-surround keys, said plurality of key modules and in nesting configuration, and, a support means for supporting said key modules and said nesting module having extensions, in proximity to said plurality of middle keys and to said plurality of key surround keys, and, where said support means has;~~

~~a base means having with tracks wherein said extensions are movably held, which allow movement of said plurality of middle keys, said plurality of key surround keys, said key modules and said nesting module in a plurality of direction, and where said support means has sliding washers which allow rotation of said plurality of middle keys and said plurality of key surround keys in a plurality of direction independently and in unison.~~

51. (Amended) The key-surround module inputting device according to claim 50 wherein said key-surround keys are floating plural direction pivotable key having a plurality of actuating

Arthur H. SARKISSIAN
Appl. No. 09/835,884

contact points, constructs.

52. (Amended) The key-surround module inputting device according to claim 50 wherein said key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points, constructs.

53. (Amended) The key-surround module inputting device according to claim 50 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points, constructs.

54. (Amended) A key-surround data input module keyboard inputting device for inputting data ~~including controls to a computer or other equipment comprising of:~~

a plurality of ~~eight nesting modules from left to right on the surface of the key-surround module inputting keyboard device in the following order:~~

a first nesting module having a middle key with the key-values for "A" and ~~inputting means for inputting data including controls to a computer or equipment,~~ and, a first key-surround key having the key-values for "Q", "Z", "Tab", and "CapsLock" ~~which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment,~~ and, a second key-surround key having the key-values for "1", "!", "Esc", "@", "2", "Shift", "Fn" and "Ctrl", "Alt", ".", and ",", and ~~which surrounds to an extent~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~said middle key and said first key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key surround key having the key values for "Esc" and "F1", which surrounds to an extent said middle key, and first key surround key and said second key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key surround key in a plurality of direction, individually and in unison,; and~~

a second nesting module having a middle key with the key-values for "S" and ~~inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "W" and "X", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "#@", "2" and "3Tab", and which surrounds to an extent said middle key and said first key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key surround key having the key-values "F2", which surrounds to an extent said middle key, and first key surround key and said second key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~surround key in a plurality of direction, individually and in unison, and~~

a third nesting module having a middle key with the key-values for "D" and ~~inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "E" and "C", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "\$#", "3" and "4NumLoc", and which surrounds to an extent said middle key and said first key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values "F3", which surrounds to an extent said middle key, and first key surround key and said second key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key-surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key-surround key in a plurality of direction, individually and in unison, and~~

a fourth nesting module having a middle key with the key-values for "F" and ~~inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "R", "T", "G", "B", and "V", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "\$", "4", "%", and "5", and "A" and "6", and which surrounds to an extent said middle key and said first key-~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values for "F4" and "F5", and which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key-surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key-surround key in a plurality of direction, individually and in unison, and~~

a fifth nesting module having a middle key with the key-values for "J" ~~and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "U", "Y", "H", "N", and "M", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "^", "6", "7", "&", "Backspace" and "Ins", ;, and which surrounds to an extent said middle key and said first key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values for "F6" and "F7", which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key-surround key such that one nests within the other, where said support means allows movement and rotation~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

of said middle key and said key-surround key in a plurality of direction, individually and in unison, and

a sixth nesting module having a middle key with the key-values for "K" and ~~inputting means for inputting data including controls to a computer or equipment~~, and, a first key-surround key having the key-values for "T", "<" and ",", which surrounds to an extent said middle key and which has ~~inputting means for inputting data including controls to a computer or other equipment~~, and, a second key-surround key having the key-values for "*" and "8", and "Alt"; which surrounds to an extent said middle key and said first key surround key, and, which has ~~inputting means for inputting data including controls to a computer or other equipment~~, and, a third key surround key having the key-values "F8", which surrounds to an extent said middle key, and first key-surround key and said second key surround key, and, which has ~~inputting means for inputting data including controls to a computer or other equipment~~, and a support means for supporting said middle key and said key-surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key-surround key in a plurality of direction, individually and in unison, and

a seventh nesting module having a middle key with the key-values for "L" and ~~inputting means for inputting data including controls to a computer or equipment~~, and, a first key-surround key having the key-values for "O", ">" and ".", which surrounds to an extent said middle key and which has ~~inputting means for inputting data including controls to a computer or other equipment~~, and, a second key-surround key having the key-values for "(" and "9"; and "Del";

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~which surrounds to an extent said middle key and said first key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key surround key having the key-values "F9", which surrounds to an extent said middle key, and first key surround key and said second key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key surround key in a plurality of direction, individually and in unison, and~~

an eighth nesting module having a middle key with the key-values for ":", and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "Ctrl", "P", "{", "[", "]", "}", "\", "\", "'", "'", "?", "!", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for ")", "0", ",", "_", "+", "=", "Shift", "Backspace" and "Ctrl", and which surrounds to an extent said middle key and said first key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key surround key having the key-values "F10", "F11", "F12", and which surrounds to an extent said middle key, and first key surround key and said second key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key surround key such that one nests within the other, where

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~said support means allows movement and rotation of said middle key and said key surround key in a plurality of direction, individually and in unison, and~~

~~a ninth nesting module having a middle cursor navigating device and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "Home", "PgUp", "PgDn" and "End", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key, having the key-values for "Up", "Down", "Left" and "Right", and which surrounds to an extent said middle key and said first key-surround key having the key-value for "Enter", and which surrounds to an extent said middle key, said first key surround key and said second key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a support means for supporting said middle key, said first key surround key, said second key surround key, said third key surround key such that one nests within each other, where said support means allows movement and rotation of said middle key and said key-surround key in a plurality of direction individually and in unison, and~~

~~a plurality of key modules consisting of middle keys having the key-values for more frequently-used keys such as for "Enter" and "Space" on the conventional Qwerty keyboard, and inputting means for inputting data including controls to a computer or other equipment, and~~

support means for supporting said nesting modules and said plurality of key modules having extensions; and

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~a base means for supporting from left to right said first, second, third, fourth, fifth, sixth, seventh and eighth nesting modules on the key surround module inputting device, and for supporting said ninth nesting modules, where said base means provides movement and rotation of said nesting modules in a plurality of direction individually, in groups and in unison having tracks wherein said extensions are movably held~~

wherein said middle keys nest within said first key-surround keys;

wherein said middle keys and said first key-surround keys nest within said second key-surround keys;

wherein said key-surround keys comprise non-rotatable, substantially washer-shaped, substantially circular data entry keys;

wherein said key-surround keys are pivotable in a plurality of pivotable positions operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

55. (Amended) The key-surround module inputting device according to claim 54 wherein said key-surround keys are floating plural direction pivotable key having a plurality of actuating contact points. constructs.

56. (Amended) The key-surround module inputting device according to claim 54 wherein said

Arthur H. SARKISSIAN
Appl. No. 09/835,884

key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

57. (Amended) The key-surround module inputting device according to claim 54 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points. ~~constructs.~~

58. (Amended) The key-surround module inputting device according to claim 54 wherein said ~~base means, having a plurality of tracks, supports said-nesting modules~~ and key modules are in curved-arrangement in a curved configuration ~~two groups of four-nesting modules from left to right with said first, second, third and fourth nesting modules as the first group, and, said fifth, sixth, seventh, and eighth nesting modules as the second group, where said ninth nesting module is supported with one of said two groups and said plurality of key modules is supported in proximity to said two groups.~~

59. (Amended) The key-surround module inputting device according to claim 58 wherein said key-surround keys are floating plural direction pivotable key having a plurality of actuating contact points. ~~constructs.~~

60. (Amended) The key-surround module inputting device according to claim 58 wherein said

Arthur H. SARKISSIAN

Appl. No. 09/835,884

key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

61. (Amended) The key-surround module inputting device according to claim 58 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points. ~~constructs.~~

62. (Amended) A key-surround data input module keyboard inputting device for inputting data ~~including controls to a computer or other equipment comprising of:~~

a plurality of ~~two~~ nesting modules ~~from left to right on the surface of the key-surround module inputting keyboard device in the following order:~~

a first nesting module having ~~from left to right on the nesting module~~ a middle key with the key-values for "A" and ~~inputting means for inputting data including controls to a computer or equipment,~~ a middle key with the key-values for "S" and ~~inputting means for inputting data including controls to a computer or equipment,~~ a middle key with the key-values for "D" and ~~inputting means for inputting data including controls to a computer or equipment,~~ a middle key with the key-values for "F" and ~~inputting means for inputting data including controls to a computer or equipment,~~ and, a first key-surround key having the key values for "Q", "Z", "Tab", "CapsLock", "Shift", "Ctrl", "W", "X", "E", "C", "R", "T", "G", "B", and "V", and, ~~where said first key surround surrounds to an extent said middle keys and which has inputting means for~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

and, where said first key-surround surrounds to an extent said middle keys and which has inputting means for inputting data including controls to a computer or other equipment, and a second key-surround key having key values for "^", "6", "7", "&", "*", "8", "(", "9", ")", "0", "_", "\"", "'", "+", "=", "Shift", "Backspace", "Ins", "Alt", "Del", and "Ctrl"; and second key-surround surrounds to an extent said middle keys and which has inputting means for inputting data including controls to a computer or other equipment, a third key-surround key having the key values for "F6", "F7", "F8", "F9", "F10", "F11" and "F12", and, where said third key-surround key surrounds to an extent said middle keys, said first key-surround key and said second key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment;

a third nesting module having a middle cursor and pointer navigating device and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key values for "Home", "PgUp", "PgDn", and "End", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or equipment, and, a second key-surround key having the key values for "Up", "Down", "Left" and "Right", and which surrounds to an extent said middle key and said first key-surround key, and, a third key-surround key having the key value for "Enter", and which surrounds to an extent said middle key, said first key-surround key and said second key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment; and

Arthur H. SARKISSIAN
Appl. No. 09/835,884

a plurality of key modules consisting of middle keys having the key-values for ~~more~~
frequently used keys such as for "Enter" and "Space" ~~on the conventional Qwerty keyboard~~,
and ~~inputting means for inputting data including controls to a computer or other equipment;~~ and

support means for supporting said nesting modules and said plurality of key modules
having extensions; and

~~a base means for supporting from left to right said first, second, third, fourth, fifth, sixth,~~
~~seventh and eighth nesting modules on the key-surround module inputting device, and for~~
~~supporting said ninth nesting modules, where said base means provides movement and rotation~~
~~of said nesting modules in a plurality of direction individually, in groups and in unison having~~
tracks wherein said extensions are movably held;

wherein said middle keys nest within said first key-surround keys;

wherein said middle keys and said first key-surround keys nest within said second key-
surround keys;

wherein said key-surround keys comprise non-rotatable, substantially washer-shaped,
substantially circular data entry keys;

wherein said key-surround keys are pivotable in a plurality of pivotable positions
operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value
to the computer.

Arthur H. SARKISSIAN
Appl. No. 09/835,884

63. (Amended) The key-surround module inputting device according to claim 62 wherein said key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

64. (Amended) The key-surround module inputting device according to claim 62 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points. ~~constructs.~~

65. (Amended) The key-surround module inputting device according to claim 62 wherein said ~~base means, having a plurality of tracks, supports said nesting modules~~ and key modules are in curved arrangement in a curved configuration. ~~two groups of four nesting modules from left to right with said first, second, third and fourth nesting modules as the first group, and, said fifth, sixth, seventh, and eighth nesting modules as the second group, where said ninth nesting module is supported with one of said two groups and said plurality of key modules is supported in proximity to said two groups.~~

66. (Amended) The key-surround module inputting device according to claim 65 wherein said key-surround keys are key-arrangement key-surround key having a plurality of actuating contact points. ~~constructs.~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

67. (Amended) The key-surround module inputting device according to claim 65 wherein said key-surround keys are key-arrangement key surround and floating plural direction pivotable keys having a plurality of actuating contact points, ~~constructs~~.

68. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a computer or other equipment comprising of:~~

a touch sensitive touch screen display displaying a graphical user interface depicting a middle key, and a key-surround key which surroundings to an extent said middle key

wherein said middle key nests within said key-surround key;

wherein said key-surround key comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

wherein said key-surround key is touchable in a plurality of places operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

69. (Ammended) A touch sensitive touch screen device for inputting data ~~including controls to a computer or other equipment~~ according to claim 68 wherein said display has means to detect touch in a plurality of places on the surface of said display.

Arthur H. SARKISSIAN
Appl. No. 09/835,884

70. (Amended) A touch sensitive touch screen device for inputting data ~~including controls~~ to a computer ~~or other equipment~~ according to claim 68 also comprising of a touch panel which rests above said display, and, having a means to detect touch and the place of touch in relation to the depiction of said display.

71. (Amended) A touch sensitive touch screen device for inputting data ~~including controls~~ to a computer ~~or other equipment~~ comprising of:

a touch sensitive touch screen display displaying a graphical user interface depicting a plurality of middle keys; and a plurality of key-surround keys ~~which surroundings to an extent~~ said plurality of middle keys and key-surround keys;

wherein said plurality of middle keys nests within said plurality of key-surround keys;

wherein said plurality of key-surround key comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

wherein said plurality of key-surround key is touchable in a plurality of touchable places operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

72. (Amended) A touch sensitive touch screen device for inputting data ~~including controls~~ to a computer ~~or other equipment~~ according to claim 71 wherein said display has means to detect

Arthur H. SARKISSIAN
Appl. No. 09/835,884

touch in a plurality of places on the surface of said display.

73. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a~~ computer ~~or other equipment~~ according to claim 71 also comprising of a touch panel which rests above said display, and, having a means to detect touch and the place of touch in relation to the depiction of said display.

74. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a~~ computer ~~or other equipment~~ comprising of:

a touch sensitive touch screen display displaying a graphical user interface depicting a plurality of rest-position middle keys, ~~depicting a plurality of key-surround keys, which~~ surrounds to an extent said plurality of middle keys, ~~and, depicting a background which~~ surrounds to an extent said plurality of rest position middle keys and a plurality of key-surround keys, ~~where said plurality of key surround keys surrounds said plurality of middle keys such that~~ all key values of said plurality of rest position middle keys and all key values of said plurality of key-surround keys inputted by the same inputting finger are in proximity to one another.

wherein said plurality of rest-position middle keys nests within said plurality of key-surround keys;

wherein said plurality of key-surround keys comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

Arthur H. SARKISSIAN
Appl. No. 09/835,884

wherein said plurality of key-surround keys is touchable in a plurality of places operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

75. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a computer or other equipment~~ according to claim 74 wherein said display has means to detect touch in a plurality of places on the surface of said display.

76. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a computer or other equipment~~ according to claim 74 also comprising of a touch panel which rests above said display, and, having a means to detect touch and the place of touch in relation to the depiction of said display.

77. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a computer or other equipment~~ comprising of:

a touch sensitive touch screen display displaying a graphical user interface depicting the following with the first and second, third, fourth, fifth, sixth, seventh and eighth nesting modules in same said numerical order from left to right:

a first nesting module having a middle key with the key-values for "A" and inputting

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "Q", "Z", "Tab", and "CapsLock" which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "1", "!", "Esc", "@", "2", "Shift", "Fn" and "Ctrl", "Alt", " " and " ", and which surrounds to an extent said middle key and said first key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values for "Esc" and "F1", which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and, where said middle key, said first key-surround key, said second key-surround key and said third key-surround key are depicted such that one nests within the other, and~~

a second nesting module having a middle key with the key-values for "S" and ~~inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "W" and "X", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "#@", "2" and "3Tab", and which surrounds to an extent said middle key and said first key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values "F2", which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and, where said middle key,~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~said first key-surround key, said second key-surround key and said third key-surround key are depicted such that one nests within the other, and~~

a third nesting module having a middle key with the key-values for "D" ~~and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "E" and "C", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "\$#", "3" and "4NumLoc", and which surrounds to an extent said middle key and said first key-surround key,; and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values "F3", which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and, where said middle key, said first key-surround key, said second key-surround key and said third key-surround key are depicted such that one nests within the other, and~~

a fourth nesting module having a middle key with the key-values for "F" ~~and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "R", "T", "G", "B", and "V", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "\$", "4", "%", and "5", and "6", and which surrounds to an extent said middle key and said first key-surround key, and, which has inputting means for inputting data including controls to a computer~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

or other equipment, and, a third key-surround key having the key-values for "F4" and "F5", and which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and, where said middle key, said first key-surround key, said second key-surround key and said third key-surround key are depicted such that one nests within the other, and

a fifth nesting module having a middle key with the key-values for "J" and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "U", "Y", "H", "N", and "M", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "^", "6", "7", "&", "Backspace" and "Ins", and which surrounds to an extent said middle key and said first key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values for "F6" and "F7", which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and where said middle key, said first key-surround key, said second key-surround key and said third key-surround key are depicted such that one nests within the other, and

a sixth nesting module having a middle key with the key-values for "K" and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "I", "<" and ",", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "*" and "8", and "Alt";

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~which surrounds to an extent said middle key and said first key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key surround key having the key values "F8", which surrounds to an extent said middle key, and first key surround key and said second key surround key, and, where said middle key, said first key surround key, said second key surround key and said third key surround key are depicted such that one nests within the other, and~~

a seventh nesting module having a middle key with the key-values for "L" and ~~inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "O", ">" and ".", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for "(", "9", and "Del"; which surrounds to an extent said middle key and said first key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key values "F9", which surrounds to an extent said middle key, and first key surround key and said second key surround key, and, where said middle key, said first key surround key, said second key surround key and said third key surround key are depicted such that one nests within the other, and~~

an eighth nesting module having a middle key with the key-values for ":", and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "Ctrl", "P", "[", "[", "]", "J", "\", "\", "\"", "\"", "?", "/", which

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key having the key-values for ")", "0", "-", "_", "+", "=", "Shift", "Backspace" and "Ctrl", and which surrounds to an extent said middle key, and said first key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and, a third key-surround key having the key-values "F10", "F11", "F12", and which surrounds to an extent said middle key, and first key-surround key and said second key-surround key, and, where said middle key, said first key-surround key, said second key-surround key and said third key-surround key are depicted such that one nests within the other, and~~

~~a ninth nesting module having a middle cursor navigating device and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "Home", "PgUp", "PgDn" and "End", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or other equipment, and, a second key-surround key, having the key-values for "Up", "Down", "Left" and "Right", and which surrounds to an extent said middle key and said first key-surround key having the key-value for "Enter", and which surrounds to an extent said middle key, said first key-surround key and said second key-surround key, and, where said middle key, said first key-surround key, said second key-surround key and said third key-surround key are depicted such that one nests within the other, and~~

~~a plurality of key modules consisting of middle keys having the key-values for more~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

~~frequently used keys such as for "Enter" and "Space"; on the conventional Qwerty keyboard,~~
~~where said plurality of nesting modules are depicted in proximity to said first through ninth~~
~~nesting modules;~~

wherein said middle keys nest within said first key-surround keys;

wherein said middle key and said first key-surround keys nest within said second key-
surround keys;

wherein said key-surround keys comprise non-rotatable, substantially washer-shaped,
substantially circular data entry keys;

wherein said key-surround keys is touchable in a plurality of places operative to actuate at
least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value
to the computer.

78. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a~~
~~computer or other equipment~~ according to claim 77 wherein said display has means to detect
touch in a plurality of places on the surface of said display.

79. (Amended) A touch sensitive touch screen device for inputting data ~~including controls to a~~
~~computer or other equipment~~ according to claim 77 comprising of a touch panel which rests
above said display, and, having a means to detect touch and the place of touch in relation to the

Arthur H. SARKISSIAN
Appl. No. 09/835,884

depiction of said display.

80. (Amended). The touch sensitive touch screen key surround module inputting device of claim 78 wherein said nesting modules and said key modules are depicted in a curved arrangement configuration, and wherein said nesting modules are depicted apart in two groups of four nesting modules beginning from left to right with said first, second, third and fourth nesting modules as the first group and said fifth, sixth, seventh, eighth nesting modules as the second group, and, wherein said ninth nesting module is depicted with one of said two groups, and, wherein said plurality of key modules is depicted in curved arrangement with said two groups.

81. (Amended). The touch sensitive touch screen key surround module inputting device of claim 79 wherein said nesting modules and said plurality of key modules are depicted in curved arrangement configuration, and, wherein said nesting modules are depicted apart in two groups, of four nesting modules beginning from left to right with said first, second, third and fourth nesting modules as the first group and said fifth, sixth, seventh, eighth nesting modules as the second group, and, wherein said ninth nesting module is depicted with one of said two groups, and, wherein said plurality of key modules is depicted in curved arrangement with said two groups.

82. (Amended) A touch sensitive touch screen device for inputting data including controls to a

Arthur H. SARKISSIAN
Appl. No. 09/835,884

computer or other equipment comprising of:

a touch sensitive touch screen display displaying a graphical user interface depicting the following with the first and second, third, fourth, fifth, sixth, seventh and eighth nesting modules in same said numerical order from left to right:

a said first nesting module having from left to right on the nesting module a middle key with the key-values for "A" and inputting means for inputting data including controls to a computer or equipment, a middle key with the key-values for "S" and inputting means for inputting data including controls to a computer or equipment, a middle key with the key-values for "D" and inputting means for inputting data including controls to a computer or equipment, a middle key with the key-values for "F" and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key values for "Q", "Z", "Tab", "CapsLock", "Shift", "Ctrl", "W", "X", "E", "C", "R", "T", "G", "B", and "V", and, where said first key surround surrounds to an extent said middle keys and which has inputting means for inputting data including controls to a computer or other equipment, and a second key-surround key having key values for "I", "J", "Esc", "Fn", "Ctrl", "Tab", "NumLock", "@", "2", "Shift", " ", " ", " ", " ", "3", "Alt", "\$", "4", "%", and "5", " ", and "6", and, where said second key surround surrounds to an extent said middle keys and which has inputting means for inputting data including controls to a computer or other equipment, a third key surround key having the key values for "Esc" and "F1", "F2", "F3", "F4", and "F5", and, where said third key-surround key surrounds to an extent said middle keys, said first key-surround key and said second

Arthur H. SARKISSIAN
Appl. No. 09/835,884

key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key and said key-surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key-surround key in a plurality of direction, individually and in unison, and

A said second nesting module having ~~from left to right on the nesting module~~ a middle key with the key-values for "J" and ~~inputting means for inputting data including controls to a computer or equipment~~, a middle key with the key-values for "K" and ~~inputting means for inputting data including controls to a computer or equipment~~, a middle key with the key-values for "L" and ~~inputting means for inputting data including controls to a computer or equipment~~, a middle key with the key-values for ":", and ~~inputting means for inputting data including controls to a computer or equipment~~, and, a first key-surround key having the key values for "U", "Y", "H", "N", "M", "I", "<", ",", "O", ">", ".", "P", "[", "]", "{", "}", "“", "”", "‘", "’", and "/", and, ~~where said first key-surround surrounds to an extent said middle keys and which has inputting means for inputting data including controls to a computer or other equipment~~, and a second key-surround key having key values for "^", "6", "7", "&", "*", "8", "(", "9", ")", "0", "-", "_", "“", "”", "‘", "’", "+", "Shift", "Backspace", "Ins", "Alt", "Del", and "Ctrl"; and second key-surround surrounds to an extent said middle keys and which has ~~inputting means for inputting data including controls to a computer or other equipment~~, a third key-surround key having the key values for "F6", "F7", "F8", "F9", "F10", "F11" and "F12", and, ~~where said third key-~~

Arthur H. SARKISSIAN
Appl. No. 09/835,884

surround key surrounds to an extent said middle keys, said first key surround key and said second key surround key, and, which has inputting means for inputting data including controls to a computer or other equipment; and

A said third nesting module having a middle cursor and pointer-navigating device and inputting means for inputting data including controls to a computer or equipment, and, a first key-surround key having the key-values for "Home", "PgUp", "PgDn", and "End", which surrounds to an extent said middle key and which has inputting means for inputting data including controls to a computer or equipment, and, a second key-surround key having the key-values for "Up", "Down", "Left" and "Right", and which surrounds to an extent said middle key and said first key surround key, and, a third key-surround key having the key-value for "Enter", and which surrounds to an extent said middle key, said first key-surround key and said second key-surround key, and, which has inputting means for inputting data including controls to a computer or other equipment, and a support means for supporting said middle key, said first key-surround key, said second key-surround key, said third key-surround key such that one nests within the other, where said support means allows movement and rotation of said middle key and said key-surround key in a plurality of direction, individually and in unison, and

A said plurality of key modules consisting of middle keys having the key-values for more frequently-used keys such as for "Enter" and "Space" on the conventional Qwerty keyboard, and, where said plurality of nesting modules are depicted in proximity to said first through ninth nesting modules;

Arthur H. SARKISSIAN
Appl. No. 09/835,884

wherein said middle keys nest within said first key-surround keys;

wherein said middle key and said first key-surround keys nest within said second key-surround keys;

wherein said key-surround keys comprise non-rotatable, substantially washer-shaped, substantially circular data entry keys;

wherein said key-surround keys is touchable in a plurality of places operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

87. (Amended) A method for inputting data and controls inputting to a computer or other equipment with a key-module inputting device comprising of:

placing a finger on a middle key of the key-surround module inputting device; and
extending said finger from said middle key in one of a plurality of direction; and
striking one a key-surround key in order to input one of a plurality of key values, where
said key-surround surrounds to an extent any said nested middle key.

wherein said middle key nests within said key-surround key;

wherein said key-surround key comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

wherein said key-surround key is pivotable in a plurality of pivotable positions operative

Arthur H. SARKISSIAN
Appl. No. 09/835,884

to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

88. (Amended) A method for inputting data and controls inputting to a computer or other equipment with a key-module inputting device comprising of:

placing hands a finger on a middle key of upon the key-surround module inputting device such that the inputting fingers of each hand rest on a plurality of nested middle keys; and

extending said any finger from any said plurality of nested middle keys in one of a plurality of direction, and

striking one of a plurality of key-surround keys in order to input one of a plurality of key-values, where said one of a plurality of key-surround keys surrounds to an extent any one of said middle keys.

wherein said middle key nests within said key-surround key;

wherein said key-surround key comprises a non-rotatable, substantially washer-shaped, substantially circular data entry key;

wherein said key-surround key is touchable in a plurality of places operative to actuate at least one of a plurality of actuating contact points; and

wherein actuation of one of said plurality of actuating contact points outputs a data value to the computer.

=END OF FAX TRANSMISSION=

DATE: June 2, 2003

FAX TO: **LUN-YI LAO**
Examiner
FAX #: (703) 872-9314

Commissioner of Patents and Trademarks
Crystal Park II, 2121 Crystal Drive
Arlington, VA 22202

FAX FROM: Arthur H. SARKISSIAN
Application/Control Number 09/835,884
Art Unit 2673

FORTY-NINE PAGES INCLUDING THIS PAGE
CONTENTS: AMENDED CLAIMS 20-88.